

**Mainline 6B 2012 Maintenance and Rehabilitation & Line 6B Replacement Projects
IDEM Water Quality Certification Independent Environmental Monitor Weekly Observation Report**

Observation Dates:	11/18/13 thru 11/23/13
IEM Name:	Glen Chandler
Wetland Identification Number(s):	w-490-b, w-493-c w-494-c, w-495-a, w-496-c, w-497-b, w-516-a, w-516-b w-517-e
Waterbody Identification Number(s):	s-489-b, s-496-c
Enbridge Land Tract Identification Number(s):	n-616-2 ^a -39, n-627-a1, n-623-1, n-624-2, n-625-6, n-626-2B-4, n-627-3, n-628-51-1, n-629-2e, n-630-4a, n-631-7f, n-613-5, n-646-6B, n-647-3.
County(s): St. Joseph, LaPorte, Porter	St. Joseph, Porter, LaPorte
<p>11/18/13: Muddy conditions were observed during the IEM's inspection of ROW due to recent weather (11/17/13 storm and wind .4" rainfall). W-516-a, Sta. # 2713+05, Tract n-646-6B had excessive mud on the matted crossing and the area was reported to the Environmental Compliance Coordinator Landon Owens. The HDD of w-517-e, Sta. # 2771+29, Tract n-647-3 had just started their 36" ream. Sheet pilling removal and cleaning from backfilled w-497-c was observed. Upland soils and wetland soils were found to be segregated. Tie-in of w-493-c, Sta. # 1489+67, Tract n-626-4 was completed and ECD's were reinstalled. 11/19/13: IEM continued inspection of ROW wetlands and streams. Wetlands inspected were protected from construction activities using <i>Best Management Practices</i> and the <i>Environmental Mitigation Plan</i>. Contractor street sweeps were observed at multiple active road crossings including East Shakespeare Dr. Sta.# 1161+93, Tract n-621-2 B-4. Construction activities off County rd. N 400, Sta. # 904+49, Tract n-616-2A-39 were observed to be working within designated ROW boundaries. Stream crossing ECD's were functioning correctly at s-498-b, Sta. # 1782+04, Tract n-631-3. 11/20/13: Good weather conditions for working continued (sunny and 48). Pipeline crews made good progress. HDD of w-490-b off N. 350 E. rd. Sta. #1370+80, Tract n-624-2, was progressing with good returns and containment using a 48" final pass and swab. Tie -in crews worked off Greening rd. and N.475 E. rd. Sta. # 1436+23, Tract n-625-6, staying within ROW boundaries and segregating topsoil piles. Environmental crews installed permanent ECD's in recently backfilled w-494-c off Co. Burdick rd. Sta.# 1559+26, Tract n-627-3. W-496-c, Sta. # 1650+54, Tract n-629-2e, HDD 36" pull through was inspected. Pull through went well with no hang-ups. Turbidity curtains, silt fence, and lights for monitoring of w-496-c will remain in place until E.I.'s deem area stabilized. W-497-c, Sta. # 1720+40, Tract n-630-5a off Holmesville rd. sheet pilling removal was observed during inspection. The road bore tie-in of Hwy 421 proceeded with no problems. Subsoil was relayed away from w-497-b, Sta.# 1698+27, Tract n-630-3 due to lack of work space, ensuring no mixing of upland and wetland soils. 11/21/13: Drain tile work was observed around inspected water bodies w-487-a, Sta.# 1171+17, Tract n-621-2, and s-487-a Sta.# 1164+88, Tract n-624-3. Tie-in preparation was observed at E.900 N. rd. Sta.# 1238+34, Tract n-622-9. Pipe was delivered to N. 200 E. rd. for that crossing tie-in. IEM drove to HDD of w-517-e, Sta.# 2787+52, Tract n-647-4 for inspection of that area. Muddy conditions were observed on pipeline ROW access rd. approaching East end of HDD exit. Drilling mud in upland area Sta.# 2787+00 was monitored, contained and ECD's were functioning correctly. IEM held the weekly scheduled communication with IDEM Marty Maupin reporting current updates and conditions of ROW. Inspection of w-516-b, Sta.# 2737+89, Tract n-647-1 off Co. E. Emery rd. resulted in no problems. Sheet pilling was being installed and equipment was working on mats. Tie in crews were working above w-516-b within ROW boundaries and this area was also in compliance. 11/22/13: W-497-c, Sta.# 1720+40, Tract n-630-6A cleanup and final grading work began. Hwy 421 East road bore tie-in continues at Sta.# 1692+43, Tract n-630-3. Routine inspections of s-496-c and 496-b, Sta.# 1662+31, Tract n-629-2B was found to be in compliance. Small fry were observed in stream s-496-c. Clean up of HDD off Otis rd. and through water body w-496-c, Sta.# 1655+15, Tract n-629-2e was observed. Crews working a tie-in section West of w-495-a, Sta.# 1622+99, Tract n-628-4 off Division rd. were within ROW and in compliance. County line rd. Utility Crossing at Sta.# 1586+32, Tract n-628-5 continues as trench spoil was temp relayed across rd. Well pumping occurred at rail road crossing Sta.# 1533+03, tract n-627-1 in prep for rail bore. 11/23/13: Snow and wind made working conditions slower than usual. HDD of w-517-c, Sta. # 2771+29, Tract n-647-3 continues with a 48" final ream approx. 200' in with good containment and returns. Emery rd. w-516-b, Sta. # 2713+05, Tract n-646-6B sheet pile install was complete. Temporary winter stabilization efforts observed off Wozniak rd. Sta.# 1829+86, Tract n-631-7f. Co. line rd. Cross over continued with broken filter bag observed and reported to E.I. Eric Sorensen at Sta.# 1583+98.</p>	



Muddy wet conditions on ROW after recent rain/wind, w-516-a



w-497c Sheet piling removal of backfilled pipeline.



Rd crossing cleaning by pipeline sweeps continues daily.



Construction continues within ROW boundaries at MP 482



w-496-c HDD pull through and tie-in was in compliance.



Turbidity curtains, silt fence, and lights for monitoring w-496-c.



HDD of w-517-e drilling mud fully contained by ECD's



Tie-in crews working at E. Emery rd East of w-516-b



Hwy 421 tie-in progress at East road bore



Tie in sections West of w-495-a off Division rd.



Vector Cross-over trench Sta.# 1585+12 looking East.



HDD of w-517-e snowy conditions Sta.# 2765+87 looking East.

